

## NEW WEST VIRGINIA RECORD FOR *FABRIA INORNATA* (TRICHOPTERA: PHRYGANEIDAE)<sup>1</sup>

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**ABSTRACT:** The phryganeid caddisfly *Fabria inornata* is reported for the first time in West Virginia. This record represents a southeastern extension of the known range which was previously reported from northern and central United States and a few Canadian provinces. Larvae (5) were collected from the Meadow River wetland complex (Greenbrier County) in dense beds of *Ceratophyllum* using a standard D-frame dip net. The number of caddisfly species now known for West Virginia is 193.

The family Phryganeidae, numbering about 75 species and 15 genera, is distributed in the Holarctic and Oriental regions (Wiggins, 1996). In North America, there are 10 genera with 28 species (Wiggins, 1996). Prior to this record, *Fabria inornata* (Banks) was known from Illinois, Iowa, Indiana, Minnesota, Michigan, Wisconsin in the United States, and the Canadian provinces of Ontario, Quebec, Northwest Territories, Manitoba, and Alberta (Banks, 1907; Neave, 1934; Leonard and Leonard, 1949; Etnier, 1965; Roy and Harper 1975, 1979; Schmid, 1980; Hilsenhoff, 1981; Flannagan and Flannagan, 1982; Waltz and McCafferty, 1983; and Wiggins, 1977, 1996). According to Wiggins (1996), the species is rare and highly localized. The larva was first identified from specimens reared in Ontario (Wiggins, 1977).

Larval collections were made in the Meadow River wetland complex on 29 October 1997 from dense beds of *Ceratophyllum* using a standard D-frame dip net (700 micron mesh). The following water quality parameters were recorded at the time of collection: temperature 9.5C; pH=7.0; dissolved oxygen 4.0 mg/L; alkalinity 51.3 mg/L CaCO<sub>3</sub>; hardness 68.4 mg/L CaCO<sub>3</sub>; acidity 0.0 mg/L; and free carbon dioxide 25 mg/L.

The Meadow River wetlands complex (latitude 37°3'41"N, longitude 80°24'39"W) comprises the second largest wetland in West Virginia, containing approximately 1393 ha (3131 acres) of swamp and wet meadow (Evans et al., 1982). The wetlands are situated in the western end of Greenbrier County at the southern boundary of the Allegheny Mountains physiographic section of West Virginia (Strausbaugh and Core, 1978). Strata of Mississippian age abut and underlie the alluvium of the Meadow River and its tributaries within the study area (Price and Heck, 1939).

Following the addition of *Fabria inornata* to the state checklist, 193 species of caddisflies, representing 16 families and 63 genera, are known from West Virginia (Stout and Stout, 1989; Tarter, 1990; Tarter and Sykora, 1990; Tarter and Kirchner, 1991; Griffith and Perry, 1992; and Tarter et al., 1996).

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